"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

KORABLIN, V.V.; BEREZHNOY, I.V.

Testing the performance of horizontal separators in the Maikop gas-condensate field. Gaz. prom. 10 no.8:12-17 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

22(1) SOV/3-59-3-38/48

AUTHOR: Berezhnoy, K.L. Candidate of Historical Sciences, Docent

TITLE: A Mutually Useful Exchange of Experience (Oboyudno poleznyy obmen opytom)

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 3, pp 73-74 (USSR)

ABSTRACT: The idea of establishing contacts and an exchange of experience between the Chair of Marxism-Leninism of the Peking People's University and the Chair of KPSS History of the All-Union Polytechnical Correspondence Institute arose after the instructor T.N. Avdey had been in China. A group of instructors wrote a letter to the People's University, and in the reply received, the Chinese comrades told of their successes and of the method they have adopted in conducting a course of Marxism-Leninism. The letter from China was re-

Card 1/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

A Mutually Useful Exchange of Experience

produced and sent to all instructors of the Chair working in 30 branches and training-consultation points of the institute.

ASSOCIATION: Vsesoyuznyy zaochnyy politekhnicheskiy institut (All-Union Polytechnical Correspondence Institute)

Card 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Konstantin Leont'yevich, kand. ist. nauk; OSIPOV, Mikhail Georgiyevich, zhurnalist; BEREZIN, I.A., red.

[On the rise; story about the "Proletarskaia Volia" Collective Farm in Stavropol Territory] Na vzlete; rasskaz o kolkhoze "Proletarskaia volia" Stavropol'skogo kraia. Moskva, Sovetskaia Rossiia, 1964. 124 p. (MIRA 17:8)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, M., general-mayor aviatsii

Control of execution, a method of party leadership. Komm. Vooruzh. Sil 5 no.24:20-26 D '64.

(MIRA 18:2)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

YAROVOY, L.V.; BEREZHNOY, M.A.; SHALOMAYENKO, V.A.; BIRYUKOVA, V.F.

Clinical and epidemiological characteristics of a familial outbreak of encephalitis. Sov. med. 25 no.10:130-131 O '61. (MIRA 15:1)

1. Iz kliniki infektsionnykh bolezney (zav. - dotsent L.V.Yarovoy) i kliniki nervnykh bolezney (zav. - dotsent M.A.Berezhnoy) Stavropol'skogo meditsinskogo instituta.
(ENCEPHALITIS)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Nikolay; OKHANOVA, L., redaktor; SAMOILETOVA, A., tekhnicheskiy redaktor

[Permanent building brigades on collective farms] Postoiannaia stroitel'naia brigada v kolkhoze. [Stalino] Stalinskoe obl. izd-vo, 1956. 14 p. (MLRA 10:1)

1. Brigadir stroitel'noy brigady kolkhoza imeni Karla Marksa, Selidovskogo rayona. (for Bereshnoy)
(Collective farms) (Building trades)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

USLONTSEV, B., nauchnyy sotrudnik; BEREZHNOY, N.

Using three-step blocks in building cow barns. Sel'. stroi. 14 no.11:9-11 N '59 (MIRA 13:3)

1. Akademiya stroitel'stva i arkhitektury USSR (for Uslontsev).
2. Predsedatel' Izyumskogo mezhkolkhozstroya (for Berezhnoy).
(Izyum District--Dairy barns) (Building blocks)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, N., krepil'shchik

Correct according to ferm... Sov.shakht. 13 no.2:30-31 F '64.
(MIRA 17:3)

1. Shakhta "Proletarskaya diktatura", (g.Shakhty, Rostovskoy obl.)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

MALYSHEV, S.I., inzh.; KHOSHTARIYA, Sh.F., inzh.; GLADKOSKOK, P.P., inzh.; RADCHENKO, F.G., inzh.; Prinimali uchastiye: BOKOLISHVILI, Sh.S.; RUKHADZE, R.I.; SHARASHIDZE, S.Sh.; BEREZHNOY, N.; GORDEZIANI, N.N.; RUKHADZE, D.A.; TATARADZE, Z.

Mastering the sintering of Dashkesan ores as acceptable charge for open-hearth furnaces. Stal' 20 no. 7:584-590 Jl '60. (MIRA 14:5)

1. Zakavkazskiy metallurgicheskiy zavod.
(Dashkesan--Iron ores) (Sintering)
(Open-hearth furnaces--Equipment and supplies)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, N. F.
Omsk State Veterinary Inst. Min Higher Education USSR

BEREZHNOY, N. F.- "Nutrient media from coarsely-ground cottonseed and the outlook for their use in bacteriological practice." Omak State Veterinary Inst. Min Higher Education USSR. Omsk, 1955.

(Dissertation for the Degree of Candidate in Veterinary Sciences)

SO: Knizhnaya Letopis' No. 20, 1956

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Berezhnoi, N.F.

USSR / Microbiology. Medical and Veterinary Microbiology. F-5

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 22053

Author : Kuzin, L.D., Berezhnoi, N.F., Sukhanova, N.P.
Inst :
Title : On the Prospectives of Obtaining a New Vaccine Against Anthrax of Farm Animals (Communication 2).

Orig Pub: Tr. Chkalovskogo s.-kh. in-ta, 1955, 7, 205-212

Abstract: A nonencapsulated avirulent culture of anthrax bacilli, whose properties are stably preserved, was obtained from the virulent strain #343 by means of direct cultivation. It is virulent only to white mice in a dose of 0.2 ml. This culture can form a reliable immunity in animals inoculated with it (intramuscularly, twice). The use of a 20% camphor oil solution stimulates the nervous system and assures immunity even in animals inoculated once. The spore vaccine, unlike the avirulent 24-hour culture, causes death in 11-12% of the inoculated guinea pigs. Part 1 see Ref. Zh.-Biol., 1955, 40326.

Card : 1/1

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, N.I.

Obtaining pressure build-up curves on an experimental unit and their investigation. Izv. vys. uchеb. zav.; neft' i gaz 8 no.6:53-56 '65.
(MIRA 18:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, N.I.

Effect of gas pressure on the permeability of rocks. Izv. vys. ucheb. zav.; neft' i gaz 8 no.3:37-39 '65.

(MIRA 18:5)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ROVENSKIY, I.I., kand.tekhn.nauk; BEREZHNOY, N.N., inzh.

Conveying machine for the roasting of fluxed iron ore nodules.
Stal' 22 no.3:205-209 Mr '62. (MIRA 15:3)

1. Mekhanobrchermet.
(Conveying machinery) (Ore dressing—Equipment and supplies)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, N.N.

Determining the thermal diffusivity of granules. Inzh.-fiz. zhur. no.12:35-39 D '63. (MIRA 17:2)

1. Institut "Mekhanobrchermet" Pridneprovskogo soveta narodnogo khozyaystva UkrSSR, Krivoy Rog.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ROVENSKIY, I.I.; BEREZHNOY, N.N.

Investigating the gas permeability of a layer of pellets. Izv. vys. ucheb. zav.; chern. met. 7 no.1:27-32 '64. (MIRA 17:2)

1. Mekhanobrchermet.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ROVENSKIY, I.I., kand. tekhn. nauk; RUDOVSKIY, G.I., inzh.; BEREZHNOY, N.N., inzh.

Partial replacement of solid fuel by gas in the process of sintering iron ore materials. Stal' 24 no.5:402-405 My '64. (MIRA 17:12)

1. Nauchno-issledovatel'skiy i proyektnyy institut po obogashcheniyu i aglomeratsii rud chernykh metallov, Krivoy Rog, i Yuzhnyy gornoobogatitel'nyy kombinat.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, N.N., inzh.; ROVENSKIY, I.I., kand. tekhn. nauk, rukovoditel' raboty

Investigating gas permeability and heat exchange in the layer of iron ore pellets during roasting on a fire grate. Stal' 25 no.2:107-112 F '65. (MIRA 18:3)

1. Nauchno-issledovatel'skiy i proyektnyy institut po obogashcheniyu i aglomeratsii rud chernykh metallov, Krivoy Rog.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ROVENSKIY, I.I., kand. tekhn. nauk; SAVITSKIY, I.I.; RUDOVSKIY, G.I.; BEREZHNOY, N.N.

Economizing on solid fuel by using gas in sintering operations. Met. i gornorud. prom. no.2:73 Mr-Ap '65.

(MIRA 18:5)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

AKOL'ZIN, L.Ye.; BOROZDOV, I.A.; BEDILO, V.Ye.; TERESHKIN, F.N. Prinimali uchastiye: BELYAYEV, F.R.; BEREZHNOY, N.V.; BUBYR', V.A.; VARSHAVSKIY, I.N.; DUDKO, V.P.; YEROSHOV, V.S.; DUGIN, Ye.V.; DUKALOV, M.F.; IVANOV, P.S.; KONAREVA, V.F.; MONIN, M.I.; MOGILKO, A.P.; PANCHENKO, A.I.; POKALYUKOV, S.N.; PRIKHOD'KO, N.D.; RUBIN, I.A.; SIDORENKO, P.A.; TYUTYUNIK, Ya.I.; KHMEL'NITSKIY, L.Ya.; BONDAR', V.I.; KRIVTSOV, A.T.; LOKSHIN, V.D.; SOFIYENKO, N.P. RABINKOVA, L.K., red.izd-va; BOLDYREVA, Z.A., tekhn.red.

[Types of mine cross section] Tipovye secheniia gornykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.4. [Cross section of mines supported by a sectional reinforced-concrete lining of URP-11 panels for 1-, 2- and 3-ton railroad cars] Secheniia vyrabotok, zakreplennykh sbornoi zhelezobetonnoi krep'iu iz plit URP-II, dlia 1-, 2- i 3-tonnykh vagonetok. 1960. 278 p.
(MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mine timbering)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, N.Z., inzh.

Simplified system used for testing traction motors. Elek. i tepl. tiaga 2 no.11:30-31 N '58. (MIRA 11:12)
(Electric railway motors--Testing)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

12(4), 28(4)

S/115/60/000/04/028/041
D002/D006

AUTHOR: Berezhnoy, S.I.

TITLE: On Mobile Inspection Laboratories

PERIODICAL: Izmeritel'naya tekhnika, 1960, Nr 4, pp 55-56 (USSR)

ABSTRACT: At the Stavropol'skaya gosudarstvennaya kontrol'naya laboratoriya po izmeritel'noy tekhnike (Stavropol' State Control Laboratory of Measurement Techniques), four "GAZ-51" trucks were converted into mobile inspection laboratories. Now, inspection is possible in the Kabardino-Balkarskaya and Kalmykskaya ASSR's. The Laboratories can check scales of all kinds, gasoline tanks, lactometers, pressure gages of up to 1000 kg/cm^2 pressure, length and diameter gages, electric meters, etc. The interior of the laboratory is described (seats, shelves, working tables, etc.).

Card 1/1

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BAKSHEYEV, I.I.; BEREZHNOV, S.P.; NESTEROV, A.G.; ZAMARATSKAYA, K.I.

Raw materials for hydrolysis plants as a second-class freight. Gidroliz. i lesokhim. prom. 16 no.5:26-28 '63. (MIRA 17:2)

1. Vostochno-Sibirskiy nauchno-issledovatel'skiy i proyektnyy institut lesnoy i derevoobrabatyvayushchey promyshlennosti.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, V. (Astrakhanskaya oblast' s.Sasykoli)

Shortwave amateurs of a village school. Radio no.1:13 Ja '56.
(Sasykoli--Radio clubs) (MLRA 9:4)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, V.G.; DRAPKINA, G.I.

Studying irregular forest growth in the fall region of the Tunguska meteorite. Meteoritika no.24:162-169 '64. (MIRA 17:5)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

[redacted], V.I. (Chernovtsy, ul. Sholom-Aleykhema, d.4, kv.8)

Some experimental data on G.A. Reinberg's operation (abdominalization of the heart). Vest.khir. 86 no.3:79-80 Mr '61. (MIRA 14:3)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. V.L. Khenikn) Chernovitskogo meditsinskogo instituta.
(CORONARY HEART DISEASE) (HEART--SURGERY)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Ye.

Moving-picture Projectors

Arc projector replaced by the projection lamp K-22.
Klub 2 no. 1, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Ye. F.

Cand Tech Sci - (diss) "Magnitostriction delay line as an element of equipment in computing and impulse techniques." Moscow, 1961. 24 pp; (Inst of Precision Mechanics and Computer Techniques, Academy of Sciences USSR); 120 copies; price not given; (KL, 6-61 sup, 213)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Ye.F. (Moskva); CHESACHENKO, V.F. (Moskva)

Resynchronization of synchronous generators with weak damping moments. Izv.AN SSSR.Otd tekh.nauk.Energ.i avtom. no.2:15-21 Mr-Ap '61. (MIRA 14:4)

(Electric generators)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BARDIZH, V.V.; BEREZHNOY, Ye.F.; MOKHEL', L.L.; SMETANINA, V.M.

[Static and pulse characteristics of miniature cores with rectangular hysteresis loop]Staticheskie i impul'snye svoistva mikromykh serdechnikov s priamougol'noi petlei gisterezisa. Moskva, ITM i VT AN SSSR, 1961. 60 p.
(MIRA 15:9)

(Cores (Electricity))
(Electronic calculating machines)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

S/721/61/000/000/002/006

AUTHORS: Bardizh, V.V., ~~Berezhnoy, Ye.F.~~, Mokhel', L.L., Smetanina, V.M.

TITLE: Static and impulse properties of micron cores with a rectangular hysteresis loop.

SOURCE: Akademiya nauk SSSR. Institut tochnoy mekhaniki i vychislitle'noy tekhniki. Magnitnyye elementy ustroystv vychislitel'noy tekhniki; sbornik statey. Moscow, 1961, 31-55.

TEXT: The paper describes the static and impulse properties of the so-called micron cores (MC), that is, small magnetic strip cores made of 2-10 μ thick rolled alloy having a rectangular hysteresis loop (RHL). Such MC serve primarily in switching circuits, such as logical elements, decoders, trigger circuits, etc., in which the cores are subjected to magnetic reversal pulses which create magnetic fields that exceed the static coercive force by several times. MC are more temperature-stable and are magnetically more effective than ferrite cores. The thin and highly T-stable MC permit a more elevated maximal polarity-reversal frequency than ferrite cores. The paper reports experimental work performed at the IPMiVT (Institute of Precision Mechanics & Computer Engineering), AS USSR, in the development of both manufacturing and measuring equipment for the making and study of

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

MC having the following dimensions: Thickness 2, 3, 5, and 10 μ ; strip width 1.25, 2.5, 5, 10, and 15 mm; IDiam 2.6, 3, 5, and 8 mm; number of strip coils 10, 25, 50, and 100. The alloys 79HM (79NM), 79HMA (79NMA), 34HKMП (34NKMP), and 50HП (50NP) developed by the Institute of Precision Alloys of the TsNIIChM (Central Scientific Research Institute of Ferrous Metallurgy) were employed. Cores made of the alloys 79NM and 79NMA exhibit similar static and impulse parameters which, with 2-and 3-μ thickness, are fairly good. A 5-μ thick core exhibits substantial deviations from the RHL. 2- and 3-μ cores of 79NM have the lowest value of the remagnetization constant (0.3 and 0.4 $\phi \cdot$ μsec). Cores made 79NM strip 3 μ thick operate with no appreciable changes in output signal up to 600-700 kcps of the sequence of polarity-reversal-current impulses in fields exceeding 10 times the coercive force. For 2-μ strip the respective frequency attains up to 800 kcps. Comparable frequency for ferrite cores: 300 kcps. Optimal static RHL is exhibited by 34NKMP cores, with a mean rectangularity coefficient for 5-μ strip cores: 0.96, 10-μ strip cores: 0.98, in a maximal field exceeding 5 times the coercive force. The less favorable impulse properties of cores made of the 34NKMP alloy and the 50NP alloy are discussed in detail. The use of MC made of the alloys 79NM (or 79NMA) with a strip thickness of 3 μ and less is recommended for remagnetization frequencies of several hundreds of kcps and of the alloy 34NKMP 5 and 10 μ thick for remagnetization frequencies of the order of tens of

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Static and impulse properties of micron cores S/721/61/000/000/002/006

kcps. There are 46 figures, 7 tables, and 6 references (3 Russian-language Soviet, 1 German, and 2 English-language). The participation of a great number of staff members of the Special Engineering Bureau of Computer Engineering of the ITM:VT is acknowledged.

Card 3/3

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Ye.F.

[Device for determining the frequency characteristics of cores with magnetic polarity reversal along the symmetric hysteresis cycles approaching a hysteresis loop limit]Pribor dlia opredeleniia chastotnykh svoistv serdechnikov pri peremagnichivanii po simmetrichnym tsiklam gisterezisa, blizkim k predel'nym. Moskva, ITM i VT AN SSSR, 1962. 15 p. (MIRA 15:8)

(Cores (Electricity)) (Electronic calculating machines)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ACC NR: AT7007642 (N) SOURCE CODE: UR/0000/66/000/000/0100/0106

AUTHOR: Berezhnoy, Ye. F.; Kobelev, V. V.; Nenarokov, A. F.; Shashko, V. D.

ORG: none

TITLE: Thin film matrix memory with conductive substrate

SOURCE: Vsesoyuznoye soveshchaniye po magnitnym elementam avtomatiki i vychislitel'noy tekhniki. 10th, Kaunas, 1964. Magnitnyye elementy vychislitel'noy tekhniki (Magnetic elements in computer engineering); trudy soveshchaniya, pt. 2. Moscow, Izd-vo Nauka, 1966, 100-106

TOPIC TAGS: computer memory, thin film memory, magnetic film storage, computer output unit

ABSTRACT: A model of a new high-speed, destructive-readout film memory with a 500-nsec cycle time is described. The memory is based on four matrix blocks which have a total capacity of sixty-four 56-bit words. An individual storage element is a vacuum-deposited 1.2 x 2.4 mm magnetic film approximately 1000 Å thick, on a highly-polished duralumin substrate. Each substrate block measures 100 x 100 x 4 mm. Read windings are mounted in the easy direction, write and signal windings in the hard direction. Write current does not exceed 120 ma; erase

Card 1/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ACC NR: AT7037642

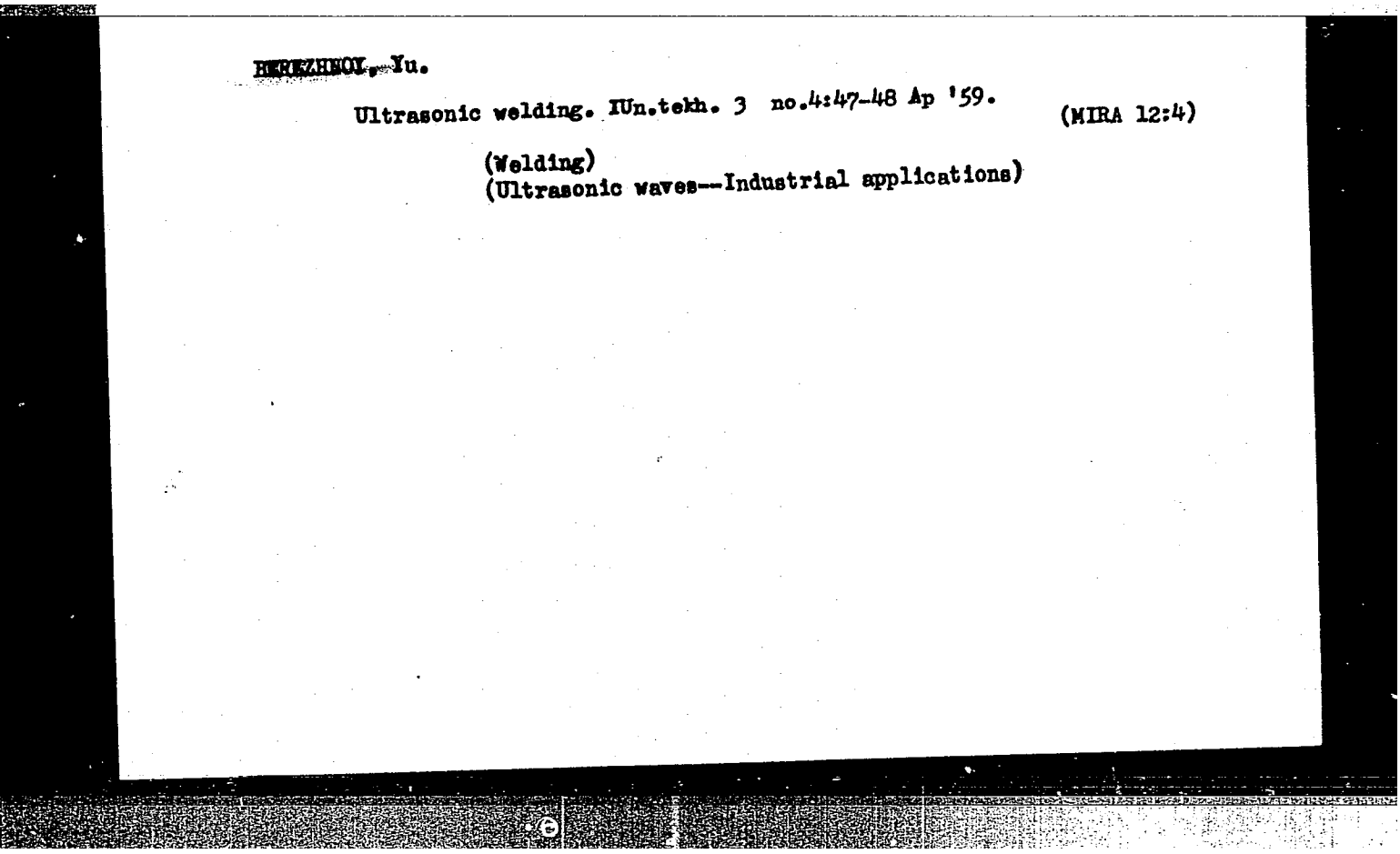
current must be at least 350 ma. A block diagram of the memory and associated units is given and their functions described. Debugging and routine memory checkout schedules are given. Orig. art. has: 5 figures.
[WA-81]
[BD]

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1



MEREZHNOY, Yu.

Ultrasonic welding. IUn.tekh. 3 no.4:47-48 Ap '59. (MIRA 12:4)

(Welding)
(Ultrasonic waves--Industrial applications)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.; ZORIN, Yu.

Welding with electron beams. IUn. tekh. 3 no.6:24-26 Je '59. (MIRA 12:8)

(Electronic apparatus and appliances)
(Welding)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.

Titanium. IUn. tekh. 4 no.9:32 S '59. (MIRA 12:12)
(Titanium)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.

Welding without welding heat. IUn. tekh. 4 no.10:31-32 O '59.
(MIRA 13:1)
(Cold welding)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.

Ultrasonic waves intermix molecules. Izobr. i rats. no.8:12 Ag '59.
(MIRA 13:1)

(Ultrasonic waves--Industrial applications)
(Welding)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.

Visiting the inventor of the miniature hydroelectric power-plant. IUn.tekh. 4 no.2:60-64 F '60. (MIRA 13:6)
(Electric generators)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ACC NR: AN7004819 SOURCE CODE: UR/9022/67/000/032/0003/0003

AUTHOR: Berezhnoy, Yu.

ORG: none

TITLE: Studies in automation

SOURCE: Sovetskaya Rossiya, no. 32, 07 Feb 67, p. 3, col. 1-3

TOPIC TAGS: automation, cybernetics, medicine

ABSTRACT: This is a round table discussion of scientists from the Institute of Automation and Telemechanics, which has three academicians, 40 doctors, 140 candidates of sciences, and 200 aspirants. The discussion started with the Institute's director Academician V. A. Trapeznikov, who said that what is needed are machines that could orient themselves in situations where man is helpless. Then Candidate of Technical Sciences V. N. Vapnik and Chief Engineer A. Ya. Chervonekes spoke on cybernetic medicine and in particular on the diagnosis of infarcts by the electrocardiogram. Candidate of Technical Sciences V. A. Zozhikashvili said that in the USSR several systems of mass service will be created. One of them will allow a passenger to buy tickets for any trip, direct or with changes, oneway or round trip, in a few seconds. The system is to begin functioning in Moscow

Card 1/2 UDC: none

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ACC NR: AN7004819

at the end of the five-year plan; eventually the entire country and international lines will be included. Candidate of Technical Sciences E. M. Braverman described work at the Institute to make a computer read any printed text as well as a manuscript. Candidate of Technical Sciences P. P. Parkhomenko said that Soviet scientists want to create universal installations to watch simultaneously over many types of articles being produced, such as the automatic machine PUMA. Candidate of Technical Sciences I. V. Prangishvili spoke of the possibility of designing small computers and control machines. Doctors of Technical Sciences A. Ya. Lerner and A. G. Butkovskiy spoke about the new branch of systems engineering. Candidate of Technical Sciences N. V. Pozin spoke on bionics. [NC]

SUB CODE: C9/ 06/ SUBM DATE: none/ ATD PRESS: 5115

Card 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ACC NR: AT6031465 SOURCE CODE: UR/0000/64/000/000/0001/0074

AUTHOR: Berezhnoy, Yu. A. 34

ORG: none 31

TITLE: Diffraction interaction of nucleons and complex particles with nuclei 19 B+1

SOURCE: AN UkrSSR. Fiziko-tekhnicheskiy institut. Dissertatsii. Kharkov, 1964. Difraktsionnoye vzaimodeystviye nuklonov i slozhnykh chastits s yadrami, 1-74

TOPIC TAGS: nucleon, deuteron, particle interaction, nucleus particle diffraction, nuclear fission, particle collision, inelastic scattering

ABSTRACT: The dissertation examines various processes of diffraction interaction of nucleons and complex particles with nuclei. The influence of the structure of the colliding particles on differential and integral cross-sections of various diffraction processes are analyzed. The interaction of nucleons and deuterons with non-spheric nuclei is examined. The analysis of experimental data on the basis of the formulae obtained, provides information on the degree of deformation of non-spherical nuclei. The influence of the finiteness of the dimensions of the falling particles on the cross-section of various diffraction processes scattering,

Card 1/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

L 05023-67

ACC NR: AT6031465

3

diffraction fission, splitting, and absorption are studied. The inelastic diffraction scattering with excitation of the collective levels of nuclei is examined. Further studies of direct nuclear processes will complement present knowledge of nuclear interaction, and the structure and properties of nuclei. In conclusion, the author expresses his deep gratitude to the scientific director, Professor A. G. Sitenko for constant guidance, useful discussions, and valuable advice. He likewise expresses his gratitude to Ye. V. Inopin for useful advice and discussions. He also takes the opportunity to express his gratitude to A. I. Akhiyezer, Academician of the AN UkrSSR for constant attention and interest in the work. Orig. art. has: 30 figures, 241 formulas, and 3 tables.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 032/ OTH REF: 030/

kh

Card 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

21(7) SOV/56-35-5-38/56

AUTHORS: Sitenko, A. G., Berezhnoy, Yu. A.

TITLE: On the Diffraction Spallation of Light Nuclei (O diffraktsionnom rasshcheplenii legkikh yader)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol 35, Nr 5, pp 1289-1291 (USSR)

ABSTRACT: In the present paper the integral cross sections of various processes of the diffraction interaction between a deuteron and a black nucleus is calculated for any ratios R_d/R. Here R_d denotes the radius of the deuteron and R the radius of the nucleus. The Coulomb (Kulon)-interaction was neglected. For the purpose of simplifying calculations a Gaussian function was used as a deuteron wave function. The comparatively easily obtained expressions for the total cross section σ_t of all processes, for the cross sections σ_n and σ_p of neutron and proton stripping respectively, and for the cross section σ_e of elastic scattering are explicitly written down. The cross sections σ_d of diffraction spallation and the absorption

Card 1/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

On the Diffraction Spallation of Light Nuclei SOV/56-35-5-38/56

cross section σ_a of the deuteron can be calculated from the relations $\sigma_d + \sigma_e = \sigma_t/2$, $\sigma_a + \sigma_n + \sigma_p = \sigma_t/2$. Next, approximated formulae for the limiting cases $q \gg 1$ and $q \ll 1$ are given. For the parameter q it holds that $q = 4R/\sqrt{\pi} R_d$. As a result of diffraction the total cross section of pion-deuteron interaction is less than the sum of the total cross sections of the interaction between a pion and a neutron and a proton. Diffraction also is due to the fact that spallation of the deuteron is caused by the scattering of a pion by a deuteron in the ground state ($\sigma_d \gg \sigma_e$). In the domain $R < R_d$ the integral cross sections depend in a high degree on the selection of the wave function of the deuteron ground state. There are 2 figures and 4 references, 1 of which is Soviet.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet (Khar'kov State University)

SUBMITTED: June 28, 1958

Card 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.A.

Deuteron scattering by nonaxial nuclei. Ukr. fiz. zhur. 6 no.2:275-277 Mr-Ap '61. (MIRA 14:6)

1. Fiziko-tekhnicheskiy institut AN USSR, g. Khar'kov.
(Deuterons—Scattering)
(Nuclei, Atomic)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

S/185/62/007/004/001/018
D407/D301

AUTHORS: Inopin, Ye. V., and Berezhnoy, Yu. A.

TITLE: On the effect of spread of nucleus boundary on diffraction scattering

PERIODICAL: Ukrayins'kyy fizychnyy zhurnal, v. 7, no. 4, 1962, 343-347

TEXT: A simple method is proposed for ascertaining the effect of nuclear-boundary spread on diffraction scattering. It is shown that the free path of the scattered particles can be estimated by comparing experimental and theoretical results. The diffraction-scattering amplitude of a particle by a non-spherical nucleus is

$$f(\alpha, \theta) = \frac{iK}{2\pi}\int \omega(\rho) e^{-i\vec{\varkappa}\vec{\rho}}\, d\rho, \qquad (1)$$

Card 1/4

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

where α is the deformation parameter, θ --the scattering angle, K--the wave vector of the incident particle, $\varkappa$ --the change in the wave vector during the scattering. The function $\omega(\rho)$ characterizes the absorbing properties of the nucleus. The spread of the boundary is described by the function $\omega(\rho)$:

$$\omega(\rho) = \int \omega_0(u)\,\Phi(|u - \vec{\rho}|)\,du, \qquad (2)$$

where the function $\Phi(z)$ has to be a positive quantity which decreases rapidly for large values of the argument. From Eqs. (1) and (2) one obtains

$$F(\theta) = \int \Phi(z) e^{-i\vec{\varkappa}\vec{z}}\,dz, \qquad (4)$$

where $F(\theta)$ characterizes the spread. If the function $\Phi(z)$ is taken in the form

Card 2/4

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

$$\Phi(z) = \frac{1}{\pi\Delta^2} e^{-\frac{z^2}{\Delta^2}}, \qquad (7)$$

then

$$F(\theta) = e^{-\frac{1}{4}K^2\Delta^2\sin^2\theta}. \qquad (8)$$

As an application of the above theory, the scattering of α-particles by Mg^{24}-nuclei is considered (elastic scattering as well as scattering with excitation of the first vibrational level of the Mg^{24}-atom). The differential cross-section curves (theoretical and experimental) of the elastic scattering are compared. The width of the spread $\Delta = 0.79 \cdot 10^{-13}$cm. The

Card 3/4

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

On the effect of... S/185/62/007/004/001/018
D407/D301

differential scattering cross-section curves (with excitation of the first vibrational level) were also compared. It was found that theory and experiment were in good agreement in the region of large angles. The free path of α-particles in Mg^{24}-atoms was estimated; it was found to be $2 \cdot 10^{-13}$ cm, which is in good agreement with the results of other investigators. There are 4 figures and 7 references: 3 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: J. S. Blair, Phys. Rev., 115, 928, 1959; D. K. McDaniels, J. S. Blair, S. W. Chen, G. W. Farwell, Nucl. Phys., 17, 614, 1960; J. S. Blair, G. W. Farwell, D. K. Daniels, Nucl. Phys., 17, 641, 1960; C. E. Porter, Phys. Rev., 99, 1400, 1955.

ASSOCIATION: Fizyko-tekhnichnyy instytut AN URSR (Physico-technical Institute of the AS UkrRSR), Kharkiv

SUBMITTED: August 21, 1961

Card 4/4

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

24,6600

S/056/62/043/004/019/061
B102/B180

AUTHORS: Berezhnoy, Yu. A., Klyucharev, A. P., Ranyuk, Yu. N., Rutkevich, N. Ya.

TITLE: Total nuclear disintegration reactions

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 4(10), 1962, 1248 - 1252

TEXT: In order to study the peculiarities of the alpha-group structure of light nuclei, the reaction $C^{12}+C^{12}\rightarrow 6\alpha$ was investigated with 300-400 μ НИКФИ-Д(NIKFI-D) photographic emulsions bombarded by carbon ions from the linear accelerator of the Khar'kovskiy fiziko-tekhnicheskiy institut (Khar'kov Physicotechnical Institute). Besides the alpha-particle energy and angular distributions, the excitation function (Fig. 4) was also measured from the threshold (designed by ▽) up to 115 Mev (laboratory system). The angular distribution of the alphas, given by $dn/\sin\vartheta d\vartheta = f(\vartheta)$ is symmetrical with a flat minimum at 90°, the energy distribution, $dn/dw = f(w)$, is shown in Fig. 3. These functions are calculated with the statistical model of

Card 1/3

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Total nuclear disintegration ...

direct nuclear disintegration.

$$2\pi \sin\vartheta d\vartheta \frac{dn}{} = \frac{N_0 e^{-u}}{\sqrt{2\pi}\Gamma(3/2, u)} \int_0^{u/3} \exp\{x(1+\cos^2\vartheta)\} I_0(x\sin^2\vartheta) x^{1/2} dx. \quad (6)$$

and

$$\frac{dn}{dw} = \frac{2\alpha N_0 \mu e^{-u}}{\sqrt{\pi}\Gamma(3/2, u)} e^{-\alpha w} \int_0^{\pi/2} \mathrm{sh}\left(\sqrt{\frac{w}{\varepsilon}}\sin x\right)\cos^2 x dx, \quad (7)$$

are obtained using the notations from Fig. 5 and $N_0 = \int dn$, $u = \mu\beta^2 R^2/2\alpha$, μ is the α-particle mass, $w = p^2/2\mu$ its energy and $m_z = p\varrho\sin\theta\cos(\psi-\varphi)$ its angular momentum. The phenomenological constants α and β are determined from the total energy and the total momentum

$$E_0 = \frac{N_0 u \Gamma(1/2, u)}{2\alpha\Gamma(3/2, u)}, \quad M_0 = \frac{2N_0 u}{\beta}\left[1 - \frac{\Gamma(5/2, u)}{u\Gamma(3/2, u)}\right]. \quad (4)$$

with $\Gamma(a, b) = \int_0^b e^{-x} x^{a-1} dx$.

$E_0 = \int w dn$, $M_0 = \int m_z dn$; $\varepsilon = \omega u/4$, R is the radius of the effective volume. From the measurements $N_0 = 6$, $E_0 = 36$ Mev $M_0 \approx 15\hbar$ and R = 5f were found, so that with (4) $1/\alpha = 2.3$ Mev, $1/\beta = 1.2\hbar$ and $u = 2$ was obtained. The excita-

Card 2/3

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Total nuclear disintegration ...

S/056/62/043/004/019/061
B102/B180

tion curve was calculated with the Sachs [illegible]ula (Phys. Rev. 103, 671, 1956). The theoretical results (solid lines in the diagrams) agree very well with the measured ones. There are 5 figures.

SUBMITTED: May 18, 1962

Fig. 3.

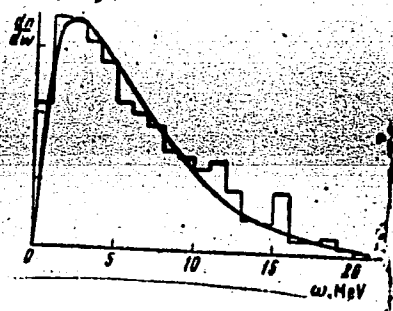


Fig. 4.

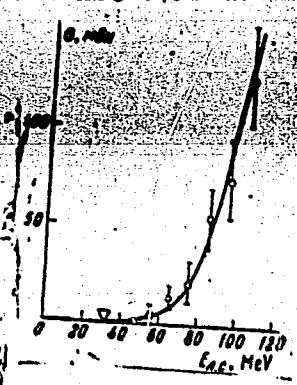
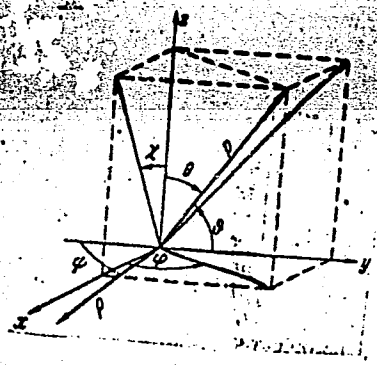


Fig. 5.



Card 3/3

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.A.; KLYUCHAREV, A.P.; RANYUK, Yu.N.; RUTKEVICH, N.Ya.

Mechanism underlying total nuclear decay. Zhur. eksp. i teor. fiz. 45 no.4:1030-1035 O '63. (MIRA 16:11)

1. Fiziko-tekhnicheskiy institut AN UkrSSR.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

[redacted], A. G.; BEREZHNOY, Yu. A.

"Concerning the Diffraction Breakup of Deuterons."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

Inst Physics, AS UkSSR

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.A.

Inelastic diffraction scattering with excitation of two-phonon nuclear states. Ukr. fiz. zhur. 8 no.9:929-934 S '63.
(MIRA 17:8)

1. Fiziko-tekhnicheskiy institut AN UkrSSR, Khar'kov.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ACC NR: AP6007791 SOURCE CODE: UR/0185/66/011/002/0117/0123

AUTHOR: Berezhnoy, Yu. A.

ORG: Physico-Technical Institute AN URSR, Khar'kov (Fizyko-tekhnicheskyy instytut AN URSR)

TITLE: Diffraction scattering of deuterons by nuclei with a washed-out border

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. kk. no. 2, 1966, 117-123

TOPIC TAGS: deuteron scattering, deuteron interaction, elastic scattering, proton scattering, particle diffraction

ABSTRACT: The diffraction interaction of deuterons with nuclei characterized by the Gaussian absorption function $\omega(\rho) = \omega_0 e^{-2\rho^2/R^2}$ was investigated. Expressions for the amplitude of elastic scattering and the integral cross sections of various processes of the interaction of deuterons with nuclei are obtained. The behavior of integral cross sections during variations of the parameters a and R is analyzed. On the basis of values of a and R (O.G Sytenko and V. K. Tartakovs'kyy, same source, no. 5, 1960, 581), obtained by an analysis of experimental data (O. Chamberlain, E. Segre, R. Tripp, C. Wiegand, and T. Ypsilantis, Phys. Rev., 100, 1659, 1956) on the scattering of protons with energy E_p = 313 MeV, estimates for the integral cross sections of the elastic scattering σ_e = 103.1 mbarn, of the diffraction splitting of the deuteron σ_d = 116.5 mbarn, of the deuteron absorption σ_a = 80.3 mbarn during diffraction interaction of deuterons with the nuclei of carbon C^{12} are given. A

Card 1/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

ACC NR: AP5007791

typical feature of diffraction interaction of deuterons with nuclei having a washed-out border is the low value of the cross section of diffraction splitting of the deuteron in comparison with that of other cross sections. The author thanks Professor O. G. Sytenko for his discussions and valuable suggestions. Orig. art. has: 3 figures and 29 formulas. [Based on author's abstract.] [NT]

SUB CODE: 20/ SUBM DATE: 28Apr65/ ORIG REF: 005/ OTH REF: 002/

Card 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

L 29283-66 EWT(m)/T

ACC NR: AP6019335 SOURCE CODE: UR/0367/66/003/003/0521/0525

AUTHOR: Sitenko, A. G.; Berezhnoy, Yu. A. 25 B

ORG: Physicotechnicaling Institute, AN UkrSSR (Fiziko-tekhnicheskiy institut AN UkrSSR)

TITLE: Effect of the deuteron 19 internal structure on diffraction scattering

SOURCE: Yadernaya fizika, v. 3, no. 3, 1966, 521-525

TOPIC TAGS: deuteron, particle diffraction, neutron interaction, proton interaction, deuteron scattering

ABSTRACT: The influence of the finite radius of the neutron-proton nuclear interactions in the deuteron and of the deuteron internal structure on the magnitudes of the integral cross-sections of various diffraction interactions between deuterons and nuclei and on the differential cross-section for elastic deuteron scattering is considered. The authors express thanks to V. A. Yamnitskiy for assistance in programming the numerical calculations on an electric computer. Orig. art. has: 5 figures and 13 formulas. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 20 / SUBM DATE: 28May65 / ORIG REF: 004 / OTH REF: 001

Card 1/1 CC

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

GARMASH, N.G.; [illegible]ZHNOY, Yu.I.

Adhesion to the ground of skis on walking excavators and waste disposal equipment. Ogneupory 30 no.5:28-31 '65.

(MIRA 18:5)

1. Nauchno-issledovatel'skiy gornorudnyy institut.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.N. Prinimali uchastiye: PODCHUFAROV, I.I.; KOTSEN, Ye.G.; MYSYUTIN, D.K.; DOBSHITS, M.L., otv. za vypusk; GUSEV, K.M., tekhn. red.

[Through forests, swamps, and mountains] Skvoz' lesa, bolota, gory; sbornik o molodykh stroiteliakh transporta. Moskva, Orgtransstroi, 1961. 177 p. (MIRA 14:11)

1. Russia (1923- U.S.S.R.) Ministerstvo transportnogo stroitel'stva. (Road construction) (Railroads—Construction)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

KOSHKIN, Lev Nikolayevich, laureat Gosudarstvennoy premii, kand. tekhn. nauk; BEREZHNOY, Yuriy Nikolayevich, inzh.; FEDCHENKO, V., red.; NYRKOVA, N., tekhn. red.

[Whirling motion creates machines] Vikhr' rozhdaet mashiny. Moskva, Molodaia gvardiia, 1962. 78 p. (MIRA 16:2)
(Machinery, Automatic)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.Z.

Results of a microscopic examination of the equipment in shoe-repair shops for the presence of dermatophytes. Vest. derm. i ven. 34 no.7:57-58 '60. (MIRA 13:12)

(FUNGI) (BOOTS AND SHOES—MICROBIOLOGY)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Yu.Z.

Cryoglobulins and C-reactive protein in the blood serum of patients with lupus erythematosus. Vest. derm. i ven. 39 no.4:27-30 Ap '65. (MIRA 19:2)

1. Kafedra kozhnykh bolezney (zav. - prof. M.M. Zheltakov) II Moskovskogo meditsinskogo instituta imeni Pirogova.
Submitted April 22, 1964.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Z.G.

Treatment of epidermophytosis of the foot with increasing concentrations of acetic acid. Vest.derm. i ven. 32 no.5:69-70 S-O '58 (MIRA 11:11)

1. Iz mediko-sanitarnoy chasti No.1 Moskovskogo avtozavoda imeni Likhacheva (nach. M.F. Timofeyev, zav. kozhnym otdeleniyem P.A. Ladunkin).

(RINGWORM, ther.
foot, acetic acid solution (Rus))
(ACETIC ACID, ther. use
ringworm of foot (Rus))
(FOOT, dis.
ringworm, ther., acetic acid solution (Rus))

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNOY, Z.G.

Role of mycoses of the foot in the pathogenesis of recurrent erysipelas of the shin. Vest.derm. i ven. 33 no.3:40-42 My-Je '59. (MIRA 12:9)

1. Iz mediko-sanitarnoy chasti No.1 Moskovskogo avtozavoda imeni Likhacheva (nach.M.F.Timofeyev, zav.kozhnym otdeleniyem P.A. Ladunkin).

(FUNGUS DISEASES
foot, relation to pathogen. of recur. erysipelas of shin (Rus))
(FOOT, dis.
fungus dis., relation to pathogen. of recur. erysipelas of shin (Rus))
(ERYSIPELAS, etiol. & pathogen.
fungus dis. of foot causing recur. erysipelas of shin (Rus))
(LEG, dis.
erysipelas, recur., caused by fungas dis. of foot (Rus))

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNYKH, D.V. BEREZHNYKH, D.V. FD-3389

Card 1/1 Pub. 17-13/22

Author : Berezhnykh, D. V.

Title : The problem of conditioned reflex restoration of immunogenesis

Periodical : Byul. eksp. biol. i med. 8, 49-52, Aug 1955

Abstract : To explain in greater detail the restoration of immunogenesis attained with acetylcholine in the laboratory of P. F. Zdrodovskiy, author injected acetylcholine subcutaneously during the course of a vaccination cycle. After the titer of agglutinines had returned to its original level, the experimental animals were given a single acetylcholine chloride injection. As a result the agglutinine titer of the experimental animals rose sharply, that of the controls, who had received only physiological solution, remained at its previous level. As nonconditioned irritant, author used warm monovaccine from an agar culture of Flexner dysentery bacilli. From the results of his experiments author concluded that acetylcholine chloride and physiological solution given parenterally coincidental with vaccination restores immunogenesis by conditioned irritants. 3 references. Table

Institution : Molotov Sci Res Inst of Vaccines and Sera (Dir. Cand Med Sci A. P. Kobyl'skiy, Sci Leader - Prof G. V. Peshkovskiy)

Submitted : 10 Feb 1955

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

PEVZNER, R.L., doktor tekhnicheskikh nauk, professor; BEREZHNYY, A.S., doktor tekhnicheskikh nauk, professor, redaktor; GLEBOV, S.V., nauchnyy redaktor; GRINBERG, I.F., redaktor [deceased]; LYUDKOVSKAYA, N.I., tekhnicheskiy redaktor

[Thermit corundum, its properties and use] Termitokorund, ego svoistva i primenenie. Pod. red. A.S.Bereshnogo. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1954. 75 p. (MLRA 7:8)

1. Chlen-correspondent AN USSR (for Bereshnyy)
(Refractory materials) (Thermit) (Corundum)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

VM L 12135-66

ACC NR: AP5023545 SOURCE CODE: UR/0330/65/000/008/0018/0022

AUTHOR: Shteynberg, R. V. (Senior research associate); Berezhyak, Ye. D. (Senior research associate); Trostinskaya, L. O. (Senior research associate)

ORG: Ukrainian Scientific-Research Institute of Canned Food Industries (Ukrainskiy nauchno-issledovatel'skiy institut konservnoy promyshlennosti)

TITLE: Selection of conditions for tomato juice sterilization without counterpressure

SOURCE: Konservnaya i ovoshchesushil'naya promyshlennost', no. 8, 1965, 18-22

TOPIC TAGS: food product machinery, food technology

ABSTRACT: Tests, described in detail in this article, showed that it is possible to sterilize without counterpressure tomato juice packed in SKO-83-3 bottles. The critical cover pressure for such bottles is $(1.82-1.93)\cdot10^5$ n/m^2. During sterilization in boiling water this critical pressure drops to $(0.81-1.37)\cdot10^5$ n/m^2. The pressure within the bottles during sterilization of tomato juice packed at 90C does not exceed $(0.71-0.72)\cdot10^5$ n/m^2. Heat removal reduces the critical cover pressure to $(0.12-0.16)\cdot10^5$ n/m^2 making possible the sterilization outside autoclaves, in simple, continuously operating devices. Appropriate apparatus, designed by the Ukrainian Scientific-Research Institute of Canned Food Industries (Ukrainskiy nauchno-issledovatel'skiy institut konservnoy promyshlennosti), has been successfully operated for several years. The juice is packed at temperatures not less than 85C and is sealed and

Card 1/2 UDC: 664.8.617.089.036.5: 614.48

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

L 12136-66

ACC NR: AP5023645

sterilized in hot water at 96 — 98C for 25 — 45 min, then cooled in water at 45C for 25 min. Temperature diagrams taken inside the bottles by means of thermocouples show that this is sufficient for complete sterilization of seed-free tomato juice. One of the machines produces 1400 bottles per hour. It is 15,500 mm long with an operating chamber 2680 mm wide and 1850 mm high. Orig. art. has: 3 figures.

SUB CODE: 06 / SUBM DATE: none

HW

Card 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNYY, M.; TOPTYGIN, V. [Toptyhin, V.]

Let's increase the production of local building materials.
Sil'. bud, 7 no.4:14-15 Ap '57. (MIRA 12:11)

1.Predsedatel' soveta Izyumskoy rayonnoy kolkhoznoy stroitel'-noy organizatsii Khar'kovskoy oblasti (for Bereshnyy). 2. Glavnyy inshener Izyumskoy rayonnoy kolkhoznoy stroitel noy organizatsii Khar'kovskoy oblasti (for Toptygin).
(Kharkov Province--Building materials)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

USLONTSEV, B., nauchnyy sotrudnik; BEREZHNYY, M.

Using assembly-line methods in constructing livestock buildings with arched roofs. Sil' bud. 9 no.8:13-16 Ag '59. (MIRA 12:12)

1.Sektor tekhnologii i organizatsii sel'skogo stroitel'stva Akademii stroitel'stva i arkhitektury USSR (for Uslontsev). 2.Predsedatel' Izyumskoy mezhkolkhoznoy stroitel'noy organizatsii Khar'kovskoy oblasti (for Berezhnyy).
(Kharkov Province--Farm buildings) (Assembly-line methods)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

V

USSR/Pharmacology. Toxicology. Local Anesthetics

Abs Jour : Ref Zhur - Biol., No II, 1958, No 51976

Author : Berezhov N.K., Shishova V.I.
Inst : Buryat-Mongolia Zooveterinary Institute
Title : Changes in the Cell Composition of the Peripheral Blood in Horses Under the Effect of Novocaine Block

Orig Pub : Tr. Buryat-Mong. zoovet. in-ta, 1956, vyp. 10, 155-167

Abstract : Nineteen horses, undergoing surgical operations were subjected to lumbar block (LB), by administration of novocaine (I) in 0.25 percent solution, in doses of 1 ml/kg. It was established that LB caused an elevation of body temperature and leucocytosis. The sharpest rise in body T° and in the leucocyte count occurred within the first 30 minutes following administration of I, reaching its highest level within 3 hours and returning to normal within 24 hours. The absolute increase of the leucocyte count was due to an increase of stab neutrophiles. It was demonstrated that the degree of the febrile reaction following administration

Card : 1/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

USSR/Pharmacology. Toxicology. Local Anesthetics V

Abs Jour : Ref Zhur - Biol., No II, 1958, No 51976

of I depends upon the severity of the pathological process.
-- T.P. Veselova.

Card : 2/2

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BE[illegible] NI, S. I.

"Comparative Histology and the Epithelium of the Esophagus of Vertebrate Animals." Cand Biol Sci, Yerevan Zooveterinary Inst, 10 Mar 54. Dissertation (Kommunist Yerevan, 27 Feb 54)

SO: SUM 186, 19 Aug 1954

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

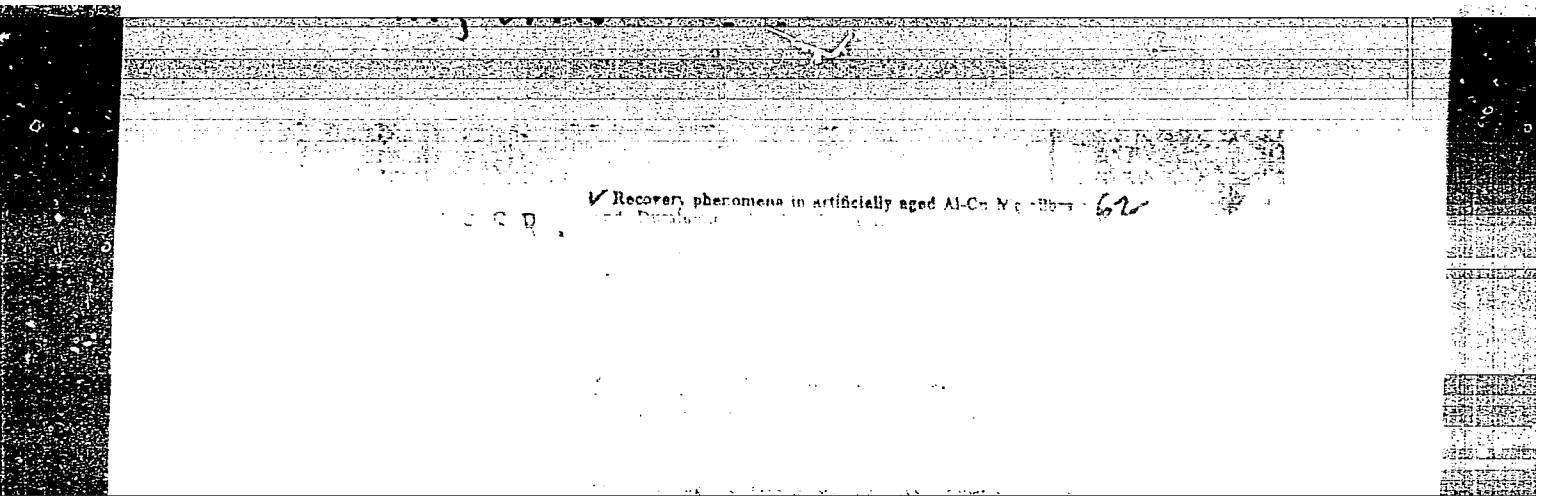
[illegible], V. M.

Chemical Abstracts
May 25, 1954
Metallurgy and Metallography

Shapes made from electrolytic manganese by the metallo-ceramic method. R. I. Agladze, V. M. Berezhiani, and L. P. Topchiashvili (Inst. Metals & Mining Acad. Sci. Georgian S.S.R., Tiflis). *Soobshcheniya Akad. Nauk Gruzin. S.S.R.* 13, 299-306(1952).—Powders and plates of electrolytic Mn were shaped under pressures of 1–8 tons/sq. cm. and then sintered at 700–1100°. Pressure and grain size had little effect on d. of green shapes. Crushing strength of green shapes made of plates and coarse powders (0.5–0.25 and 1.0–0.5 mm.) increased as pressure increased from 2.2 to 8.0 tons/sq. cm., while that of shapes made of fine powders (0.06 to 0.25 mm.) increased sharply up to pressure of 6 tons/sq. cm. and then dropped with rising pressure. Sintering for 1 hr. at 1100° was sufficient to obtain satisfactory products. D. of sintered products increased with dispersion of powders. B. Z. Kamich

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

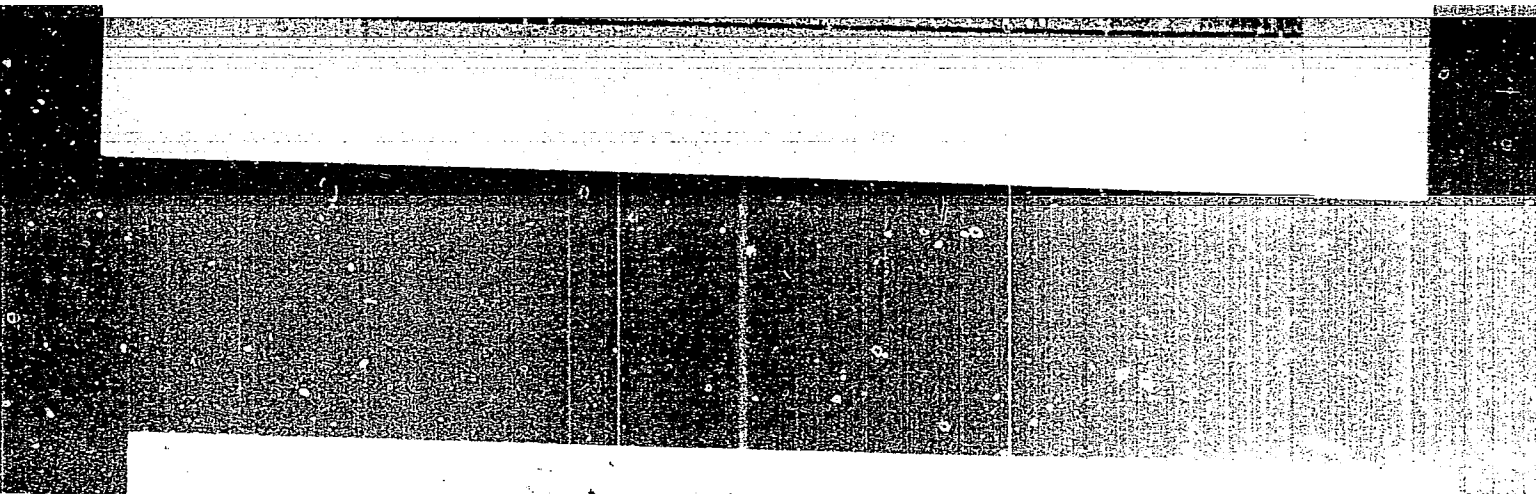
"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1



✓ Recovery phenomena in artificially aged Al-Cu Mg alloys 62

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1



APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

USSR/Physics - Technical physics

Card 1/1 Pub. 22 - 20/47

Authors : Berezhiani, V. M.

Title : Mechanism of artificial aging of aluminum alloys

Periodical : Dok. AN SSSR 98/5, 773-775, Oct 11, 1954

Abstract : The three-phase conversion stages observed in Al-Cu and Al-Cu-Mg alloys during artificial aging are described. It was established that the first stage of phase conversion takes place at temperatures much lower than the second and third conversion-phases which occur at a practically identical temperature. The role of the time factor, which does not change the nature of conversion but shifts it toward much lower temperatures, is explained. Eight references: 1-USA; 1-German; 1-French and 5-USSR (1940-1952). Table; graphs.

Institution : Academy of Sciences Georgian-SSR, Mining and Metals Institute

Presented by: Academician G. V. Kurdyumov, April 30, 1954

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHIANI, V.M.

The mechanism of forming stable phases in ageing alluminum alloys. Soob.AN Gruz.SSR 16 no.10:803-807 '55. (MLRA 9:5)

1. Akademiya nauk Gruzinskoy SSR, Institut metalla i gornogo dela, Tbilisi. Predstavleno deystvitel'nym chlenom Akademii R.I. Agladze.

(Aluminum alloys--Hardening)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHIANI, V.M.

Category : USSR/Solid State Physics - Phase Transformation in Solid Bodies E-5

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3849

Author : Berezhiani, V.M.
Title : Investigation of the Processes of Phase Transformation in Aging Aluminum Alloys Using the Electric Resistance Method.

Orig Pub : Tr. In-ta metalla i gorn. dela. AN GruzSSR, 1956, 7, 81-108

Abstract : An investigation was made of the process of the phase transformations in aging aluminum alloys by plotting the temperature vs. specific resistivity, temperature vs. temperature coefficient of resistivity and temperature vs. aging effect and by making isochronic (10-minute) sections.

Card : 1/1

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

TYUDESH, F.; KENDE, I.; BEREZHNYKH, T.; SOLODOVNIKOV, S.P.; VOYEVODSKIY, V.V.

Radicals as intermediate products in the inhibition of radical polymerization reaction. Kin. i kat. 6 no.2:203-211 Mr-Ap '65. (MIRA 18:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut khimii AN Vengerskoy Narodnoy Respubliki i Institut khimicheskoy fiziki AN SSSR.

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

OKHRIMENKO, I.S.; KOBETSKAYA, V.M.; USTINOVA, O.N.; BEREZHNYKH, T.A.

Changes of styrene-butadiene latexes in lacquer coatings. Lakokras.mat. i ikh prim. no.4:26-30 '60. (MIRA 13:10)

1. Leningradskiy tekhnologicheskiy institut im. Lensoveta.
(Paint materials) (Butadiene) (Latex)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

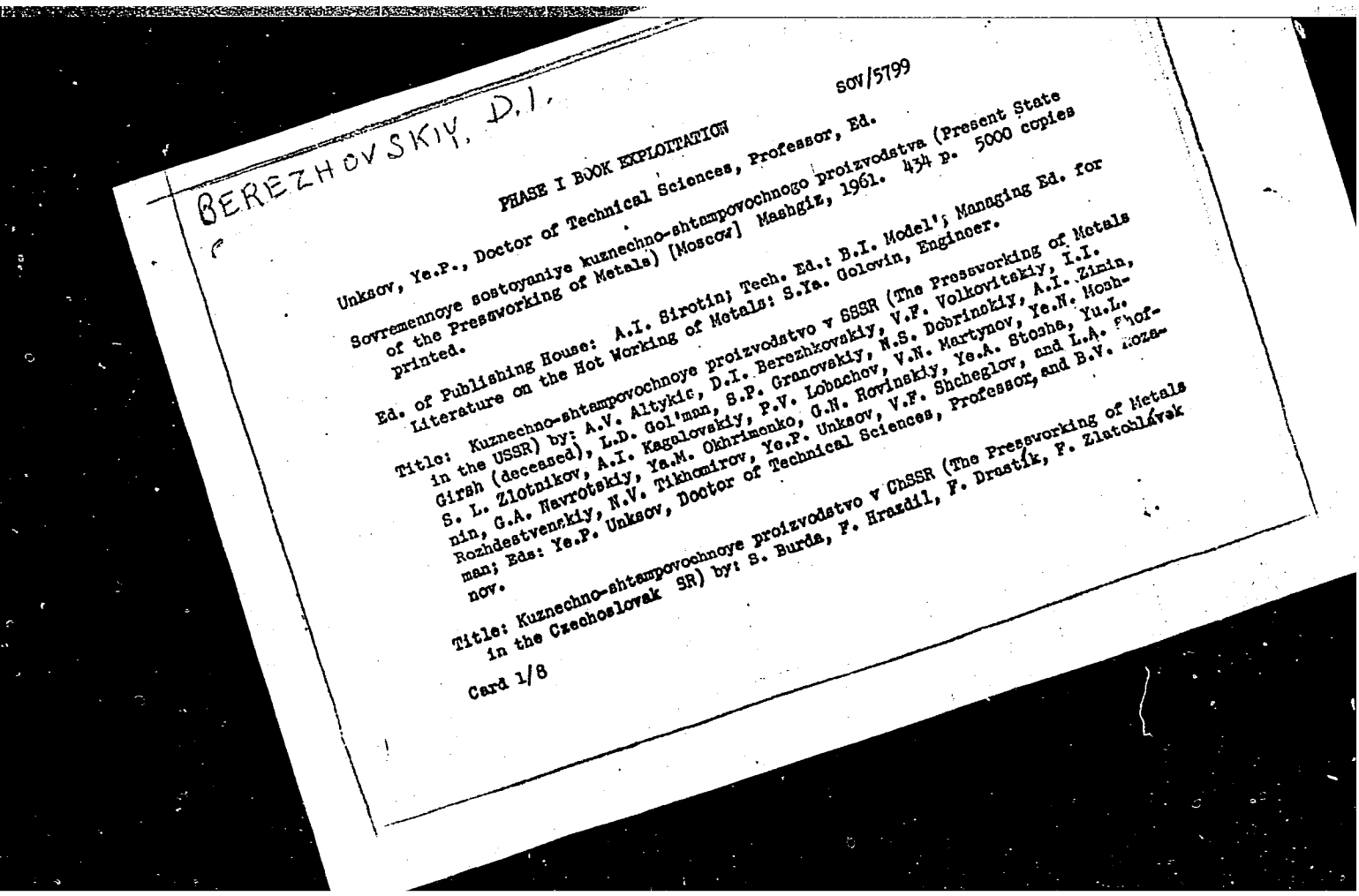
"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BEREZHNYUK, V.I.

Gas industry of the Ukraine for the last ten years. Neft. i gaz. prom. no.2:34-36 Ap-Je '64. (MIRA 17:9)

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1



BEREZHOVSKIY, D.I.

SOV/5799

PHASE I BOOK EXPLOITATION

Unkov, Ye.P., Doctor of Technical Sciences, Professor, Ed.

Sovremennoye sostoyaniye kuznechno-shtampovochnogo proizvodstva (Present State of the Pressworking of Metals) [Moscow] Mashgiz, 1961. 434 p. 5000 copies printed.

Ed. of Publishing House: A.I. Sirotin; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on the Hot Working of Metals: S.Ya. Golovin, Engineer.

Title: Kuznechno-shtampovochnoye proizvodstvo v SSSR (The Pressworking of Metals in the USSR) by: A.V. Altykis, D.I. Berezhkovskiy, V.F. Volkovitskiy, I.I. Girsh (deceased), L.D. Gol'mann, S.P. Granovskiy, N.S. Dobrinskiy, A.I. Zimin, S. L. Zlotnikov, A.I. Kagalovskiy, P.V. Lobachov, V.N. Martynov, Ye.N. Moshnin, G.A. Navrotskiy, Ya.M. Okhrimenko, G.N. Rovinskiy, Ye.A. Stoshe, Yu.L. Rozhdestvenskiy, N.V. Tikhomirov, Ye.P. Unkov, V.F. Shcheglov, and L.A. Khofman; Eds: Ye.P. Unkov, Doctor of Technical Sciences, Professor, and B.V. Kozanov.

Title: Kuznechno-shtampovochnoye proizvodstvo v ChSSR (The Pressworking of Metals in the Czechoslovak SR) by: S. Burda, F. Hrazdil, F. Drastík, F. Zlatohlávek

Card 1/8

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Z. Kejval, V. Krauz, F. Kupka, F. Majer, K. Marvan, J. Novák, J. Odehnal, K. Paul, B. Sommer, M. Honz, J. Částka, V. Šindolář, and J. Šolc; Eds.: A. Nejepsa and M. Vlk.

PURPOSE: This book is intended for engineers and scientific personnel concerned with the pressworking of metals.

COVERAGE: Published jointly by Mashgiz and SNTL, the book discusses the present state of the pressworking of metals in the USSR and the Czechoslovak Socialist Republic. Chapters were written by both Soviet and Czechoslovak writers. No personalities are mentioned. There are 129 references: 98 Soviet, 16 English, 8 German, 5 Czech, and 2 French.

TABLE OF CONTENTS:

PRESSWORKING IN THE USSR

Ch. I. The Characteristics of Forging Shops in USSR Plants [A.I. Zimin and Ye.P. Unksov] 5

Ch. II. Methods of Calculating the Pressure for Forging in the Pressworking

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Present State of the (Cont.) SOV/5799

of Metals [Ye.P. Unksov] 13

Ch. III. Die Forging on Forging Presses [V.F. Volkovitskiy] 22

Ch. IV. Die Forging on Horizontal Upsetters [I.I. Girsh, deceased] 31

Ch. V. Die Forging on Drop Hammers and [Power-Screw] Percussion Presses [Ye. M. Okhrimenko and V.F. Shcheglov] 41

Ch. VI. The Making of Forgings and Shaped Blanks in Forging Rolls [V.N. Martynov] 58

Ch. VII. Die-Sizing in Squeeze-Forming Presses [V.F. Volkovitskiy] 77

Ch. VIII. Rolling-Out Annular Blanks [Yu.L. Rozhdestvenskiy] 82

Ch. IX. The Manufacture of Metal Hardware on Pressworking Automatics [G.A. Navrotskiy] 93

Card 3/8

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Present State of the (Cont.)

Ch. X. Bending and Straightening of Sheets, Shapes, and Tubes [Ye.N. Moshnin] 112

Ch. XI. Stamping From Sheets and Strips [S.L. Zlotnikov and G.N. Rovinskiy] 119

Ch. XII. Automatic Pressworking Lines [S.L. Zlotnikov] 146

Ch. XIII. The Equipment of Blank-Producing Shops and Sections in Pressworking [P.V. Lobachev] 159

Ch. XIV. The Production of Blanks for [Machine] Parts by Helical Cross Rolling [S.P. Granovskiy and Ye. A. Stosha] 175

Ch. XV. Metal Extrusion on Hydraulic Presses [A.I. Kagalovskiy and L.A. Shofman] 188

Ch. XVI. Parts Forging From Light-Metal Alloys on Large Hydraulic Presses [L.D. Gol'man and L.A. Shofman] 201

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Present State of the (Cont.)

Ch. XVII. Mass Production of Parts [Solid Wheels and Tires] by Forging With Subsequent Rolling [A.V. Altykis, and L.D. Gol'man] 208

Ch. XVIII. Forging and Bending of Plates [Ye.N. Moshnin] 216

Ch. XIX. Making Large Forgings on Hydraulic Presses [N.S. Dobrinskiy, and N.V. Tikhomirov] 229

Ch. XX. Drop-Hammer and Crank-Press Forging [D.I. Berezhkovskiy, and V.F. Shcheglov] 224

Bibliography 225

PRESSWORKING IN THE ChSSR

Ch. I. The Development of Metal Pressworking Processes in the Czechoslovakian Socialist Republic [F. Drastík, Railroad Engineering Institute, Prague] 261

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Present State of the (Cont.) SOV/5799

Ch. II. Making Large Forgings [B. Kraus, New Metallurgical Plant imeni Klement Gottwald, Kunčice] 272

Ch. III. The Forging of Rotors for Turbogenerators [J. Novák, Metallurgical Plant imeni Lenin, Plzeň] 299

Ch. IV. The Forging of Large Crankshafts [S. Burda, K. Paul, and M. Honz, Metallurgical Plant imeni Lenin, Plzeň] 314

Ch. V. Techniques Used in Forging Large Rotors [F. Zlatohlávek, Vítkovice Metallurgical Plant imeni Klement Gottwald, Ostrava] 335

Ch. VI. The Forging of Forked Pipes for Gas Pipelines [J. Částka, Vítkovice Metallurgical Plant imeni Klement Gottwald, Ostrava] 345

Ch. VII. The Forging of Large Strengthening Rings for the Runners of Mixed-Flow Turbines [F. Kupka, Vítkovice Metallurgical Plant imeni Klement Gottwald, Ostrava] 348

Card 6/8

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

Present State of the (Cont.) SOV/5799

Ch. VIII. Scientific Research Work in the Field of Cold Impact Forging of Metals [F. Hrázdil, Plant imeni Šmeral, Brno] 355

Ch. IX. Experience in the Cold Impact Forging of Nonferrous Metals [K. Maryan and J. Odchnal, Plant Tesla, National Enterprise, Hloubětín, and V. Šindelář, Scientific Research Institute of Vacuum Electrical Engineering, Prague] 381

Ch. X. The Manufacturing Process and Organization in the Stamping of Bodies at the Automobile Plant "National Enterprise (AZNP) Mladá Boleslav" [Z. Nejval, AZNP, Mladá Boleslav] 397

Ch. XI. The Mechanization of Obsolete Enterprises as a Means of Increasing Labor Productivity [B.Semmer, Vítkovice Metallurgical Plant imeni Klement Gottwald, Ostrava] 410

Ch. XII. The Initial Pressworking of FeAl Alloys and Large FeCrAl Castings [F. Major and J. Solc, Scientific Research Institute of Iron, Prague].

Card 7/8

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

BERLYAVSKIY, M. A. ARSENOV, M. A.

L 44868-65 EWT(d)/EWT(m)/EEC(k)-2/EWP(1)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EED-2/ //
EWP(b)/EWP(1)/EWA(c) Pq-4/Pf-4/Pad/Pg-4/Pk-4 LIP(c) BB/JD/JW/JG/GG
ACCESSION NR: AP5013852 UR/0103/65/026/005/0938/0942
681.142.6

79
58
B

AUTHOR: Boyarchenkov, M. A.

TITLE: All-Union Conference on magnetic elements of automation and computer technique

SOURCE: Avtomatika i telemekhanika, v. 26, no. 5, 1965, 938-942

TOPIC TAGS: electric engineering conference, magnetism conference, computer component, automation equipment, automation, electronic data processing

ABSTRACT: The Ninth All-Union Conference on Magnetic Elements of Automation and Computer Technology, held in Kaunas from 7 to 10 September 1964, was organized by the National Committee of the USSR on Automatic Control, the Institute of Power and Electrical Engineering of the Academy of Sciences, Lithuanian SSR, the Lithuanian Scientific and Technical Society of the Instrument Building Industry, and the Institute of Automation and Telemechanics of the Main Committee on Instrument Building, Means of Automation, and Control Systems under Gosplan and the Academy of Sciences USSR. Over 450 participants discussed some 90 reports concerning the theory, design,

Card 1/5

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

L 54868-65
ACCESSION NR: AP5013852

production, and application of magnetic and magnetic-semiconductor elements. Reports were presented for seven areas: digital and analog elements, memory devices, magnetic power devices, magnetic amplifiers and converters, parametrons, and power sources.

At the opening plenary session, M. A. Rozenblat presented a survey of the present state of contactless magnetic elements, which he considers to be one of the most efficient and promising technical means of automation and computer technology. Problems of designing logic elements to provide stable operation for various types of circuits were discussed in a series of reports. B. A. Yefimov and G. N. Chizhukhin reported on the development of modules of ferrite-transistor elements (FTE) which can be used for various types of computers and also for discrete automation for general and special purposes. This system provides reliable operation at a 200-kc clock frequency in the -10 to +50° C temperature range.

The same authors together with M. A. Aksenov reported on the development of a general-purpose heavy-duty FTE which can be used as a cell of a clock-frequency pulse generator or as an independent heavy-duty control

Card 2/5

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

L 54868-65
ACCESSION NR: AP5013852

element. It is capable of performing command recording or readout of information reaching it in large quantities from a low-power FTE. I. A. Tyumin, B. A. Yefimov, and A. A. Shavrov reported on the development and testing of biax-type logic circuits operating at 1 Mc and performing several logic operations. Advantages cited are: high s/n ratio, about 20; high switching rate, about 2 Mc; and high reliability due to the simplicity of the circuit. Such circuits may also be used in complex logic devices. Additional reports discussed logic circuits using biax-type elements in a working storage device with a nondestructive readout cycle of 10^{-7} sec and a recording time for new information of several microseconds.

L. P. Afinogenov et al. reported on discrete and discrete-analog computer units based on the use of the area of an emf pulse originating in the winding during magnetization reversal in the ferrite. Development of ferrite matrixes which release a voltage pulse at the output with an area proportional to the code supplied at the matrix input was also discussed.

Problems connected with the development of single-wire memory elements with multiaperture ferrite plates were presented by R. A. Lashev-

Card 3/5

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1

L 54868-65

ACCESSION NR: AP5013852

skiy et al. A. S. Sverdlov and others presented results of developing working storage units using miniature memory cubes made with multiaperture ferrite plates.

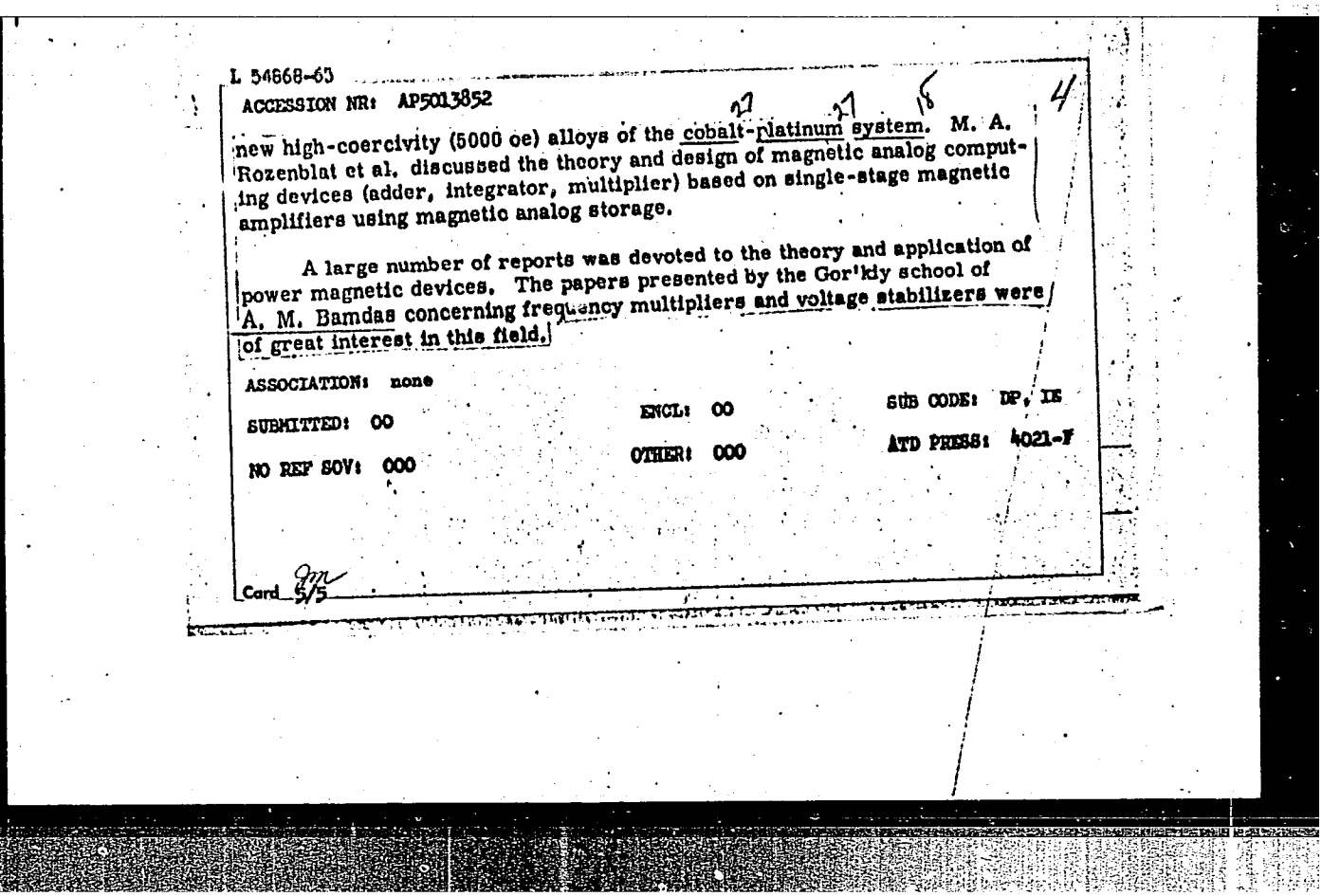
Thin-film technology was discussed in several reports. A paper by Ye. F. Berezhnyy et al. dealt with the development of a super storage device built on thin-film matrices with conductive substrates with a capacity of 64 56-bit words and a cycle of 400 nsec. Experiments with magnetic-film storage devices produced by electrochemical deposition on glass and metal cylindrical substrates were discussed, and a method of using an element of cylindrical magnetic film in a matrix storage device was also reported.

A. Tutauskas and R. Litvinaytis reported on a stable storage device with a short access time, a capacity of 512 x 32 bits, an access rate of 500 kc, and a readout time of 1 usec. A. B. Lyasko et al. have developed a small decade counter of periodic and nonperiodic signals in which a parametric element with five stable phase states was used. The counter displays better energy properties than other known counters, high reliability, and high noise immunity. A. G. Rabin'kin reported on the characteristics of

Card 4/5

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"

"APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1



L 54868-65

ACCESSION NR: AP5013852

new high-coercivity (5000 oe) alloys of the cobalt-platinum system. M. A. Rozenblat et al. discussed the theory and design of magnetic analog computing devices (adder, integrator, multiplier) based on single-stage magnetic amplifiers using magnetic analog storage.

A large number of reports was devoted to the theory and application of power magnetic devices. The papers presented by the Gor'kiy school of A. M. Bamdas concerning frequency multipliers and voltage stabilizers were of great interest in this field.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: DP, IE

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4021-F

Card 5/5

APPROVED FOR RELEASE: 06/08/2000 CIA-RDP86-00513R000204820004-1"